

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-7, and 9-13, and ADD new claims 14 and 15 in accordance with the following:

1. (CURRENTLY AMENDED) A three-dimensional model management system for managing a three-dimensional model in which relationship of subordination of individual parts is represented by a hierarchical structure, comprising:

attribute information acquiring means for acquiring attribute-information a part name defined in a computer-aided design system and hierarchical structure information of individual three-dimensional parts constituting the three-dimensional model expressing combination structure of each part including three-dimensional part specific to the computer- aided design system;

sorting means for sorting the attribute-part name information acquired by said attribute information acquiring means in accordance with the hierarchical structure;

display form setting means for displaying the attribute-part name information;

editing means for editing the attribute-part name information sorted by said sorting means, in accordance with settings by said display form setting means; and

output means for outputting the attribute-part name information edited by said editing means to a display device.

2. (CURRENTLY AMENDED) The three-dimensional model management system according to claim 1, wherein said editing means excludes attribute-acquired information of a predetermined part such that the predetermined part is not displayed on a display screen of the display device.

3. (ORIGINAL) The three-dimensional model management system according to claim 1, further comprising classifying means for classifying the attribute information acquired by said attribute information acquiring means according to attributes,

wherein said editing means refers to a result of classification by said classifying means

and excludes part nameattribute information of a part having a predetermined attribute such that said part is not displayed on a display screen of the display device.

4. (CURRENTLY AMENDED) The three-dimensional model management system according to claim 1, wherein said editing means rearranges part nameattribute information of a part at a lower hierarchical level than a predetermined hierarchical level in the hierarchical structure of the three-dimensional model such that said part belongs to the predetermined hierarchical level.

5. (CURRENTLY AMENDED) The three-dimensional model management system according to claim 1, further comprising redefining means for redefining, as a single part, a group of parts which are defined in the three-dimensional model as a plurality of parts, and for generating a new part nameattribute information on the redefined part.

6. (CURRENTLY AMENDED) The three-dimensional model management system according to claim 5, wherein said redefining means redefines a predetermined part to which a plurality of parts are subordinate at a lower hierarchical level, as a single part including said plurality of parts, and generates a new part nameattribute information on the redefined part.

7. (CURRENTLY AMENDED) The three-dimensional model management system according to claim 1, further comprising specifying means for specifying predetermined part name attribute information displayed by the display device,

three-dimensional data acquiring means for acquiring, from the three-dimensional model, three-dimensional data corresponding to the part nameattribute information specified by said specifying means, and

facet data generating means for generating facet data, which is surface data for display, from the three-dimensional data acquired by said three-dimensional data acquiring means.

8. (ORIGINAL) The three-dimensional model management system according to claim 7, further comprising identification information affixing means for affixing identification information indicative of normal creation to the facet data generated by said facet data generating means.

9. (CURRENTLY AMENDED) A computer-readable recording medium recording a program for causing a computer to manage a three-dimensional model in which relationship of

subordination of individual parts is represented by a hierarchical structure, wherein the program causes the computer to function as

attribute information acquiring means for acquiring attribute information a part name defined in computer-aided design system and hierarchical structure information of individual three-dimensional parts constituting the three-dimensional model expressing combination structure of each part including three-dimensional part specific to the computer- aided design system,

sorting means for sorting the attribute-information acquired by the attribute information acquiring means in accordance with the hierarchical structure,

display form setting means for displaying the attribute information;

editing means for editing the attribute-information sorted by the sorting means, in accordance with settings by the display form setting means, and

output means for outputting the attribute-information edited by the editing means to a display device.

10. (CURRENTLY AMENDED) A computer-readable recording medium according to claim 9, wherein the part nameattribute information and the model are stored separately.

11. (CURRENTLY AMENDED) The three-dimensional model management system according to claim 1, wherein the part nameattribute information and the model are stored separately.

12. (CURRENTLY AMENDED) A method for managing a three-dimensional model in which relationship of subordination of individual parts of the model are represented by a hierarchical structure, comprising:

acquiring attribute information-a part name defined in computer- aided design system and hierarchical information of individual three-dimensional parts constituting the three-dimensional model expressing combination structure of each part including three-dimensional part specific to the computer- aided design system,

sorting the attribute-information acquired by said attribute information acquiring means in accordance with stored hierarchical structure;

displaying a display form in which the attribute-part name information is displayed;

editing the attribute-information sorted by said sorting means, in accordance with settings by said display form setting means; and

outputting the attribute-information edited by said editing means to a display device.

13. (CURRENTLY AMENDED) A system for managing a three-dimensional model, comprising:

an information acquiring device acquiring attribute-information a part name defined in a computer-aided design system and hierarchical structure information of individual three-dimensional parts constituting the three-dimensional model expressing combination structure of each part including three-dimensional part specific to the computer-aided design system;

a sorting device sorting the attribute-information acquired by said information acquiring device in accordance with the hierarchical structure;

a display device to display the attribute-part name information;

an editing device to edit the attribute-information sorted by the sorting device upon input to the form setting display device; and

an output device outputting the attribute-information edited by the editing device.

14. (NEW) The method according to claim 12, wherein the acquired information includes author and creation information of individual three-dimensional parts.

15. (NEW) A method for managing individual parts of a three-dimensional model in a computer-aided design system, comprising:

obtaining information in relation to individual three-dimensional parts defined by a computer-aided design system and hierarchical information expressing combination structure of each part including three-dimensional part specific to the computer-aided design system,

sorting the obtained information in accordance with stored hierarchical structure;

displaying a display form in which the information in relation to individual three-dimensional parts defined by a computer-aided design system is displayed;

editing the sorted information in accordance with settings by the display form and producing edited information; and

outputting the edited information to a display device.